COMPONENTS: (1) 2,6-Dimethylheptane; C₉H₂₀; Englin, B.A.; Plate, A.F.; Tugolukov, V.M.; Pryanishnikova, M.A. (2) Water; H₂O; [7732-18-5] Khim. Tekhnol. Topl. Masel 1965, 10, 42-6. VARIABLES: PREPARED BY: Temperature: 10-50°C A. Maczynski and M.C. Haulait-Pirson

EXPERIMENTAL VALUES:

Solubility of Water in 2,6-dimethylheptane

t/°C	g(2)/100 g sln	$10^4 x_2$ (compiler)
10	0.0053	3.77
20	0.0091	6.48
30	0.0160	11.39
40	0.0301	21.40
50	0.0465	33.02

METHOD/APPARATUS/PROCEDURE: Component (1) was introduced into a thermostatted flask and saturated for 5 hours with (2). Next, calcium hydride was added and the evolving hydrogen volume measured and hence the concentration of (2) in (1) was evaluated. ESTIMATED ERROR: Not specified. ESTIMATED ERROR: Not specified.